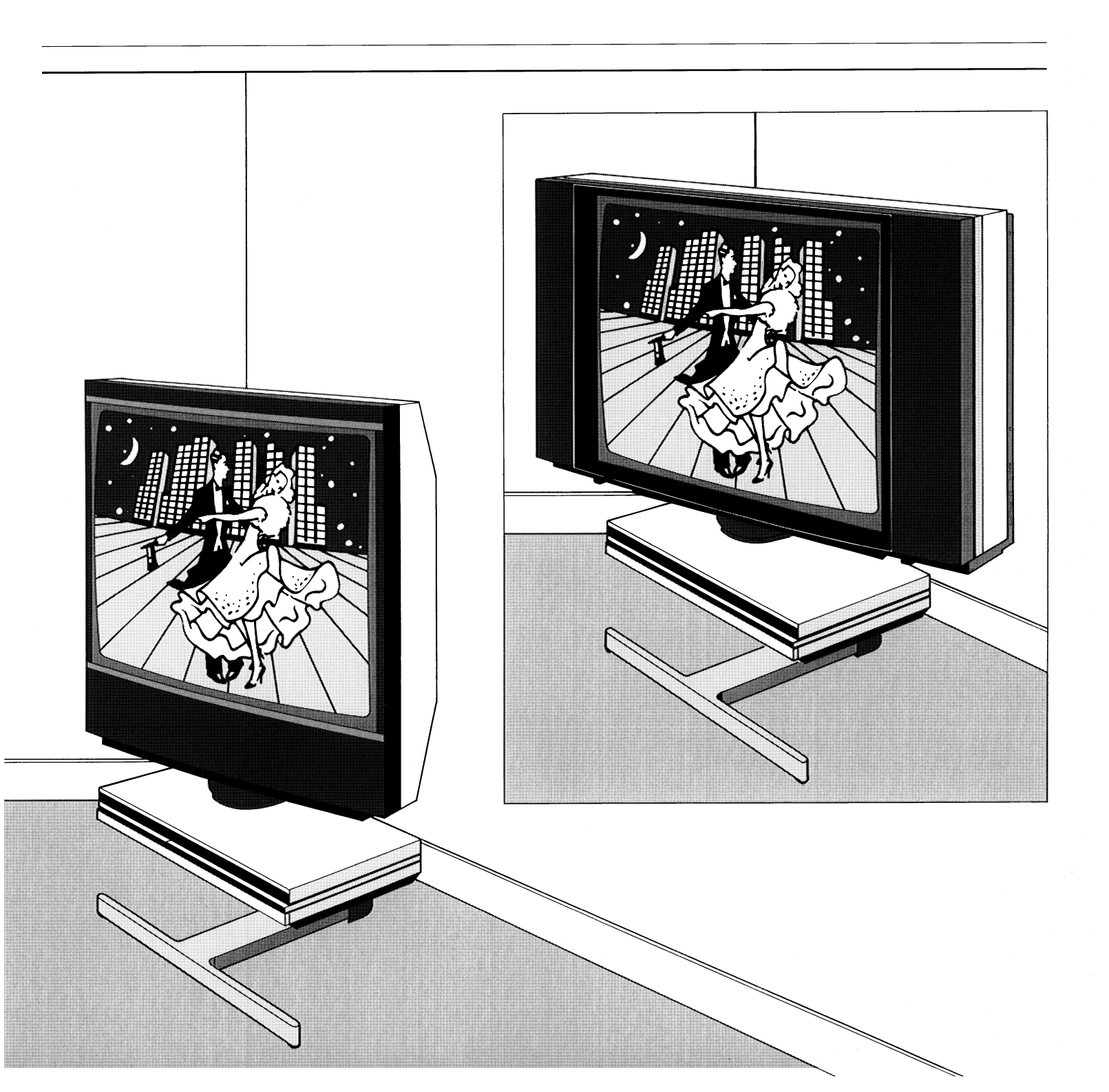
Integration is the keyword of your Video System 5500 and it is demonstrated everywhere in the system.

All the components in the system – the Beovision MX or LX TV, the Beocord VX 5500 video tape recorder, the Beosat LM satellite module, and the motorized stand – are interactive and they are operated as if they were a single unit.

The Beolink 5000 terminal is the key to the system – with access to all the functions in the Video System 5500.

User's guide



This Video System 5500 user's guide gives information about how to use the Beocord VX 5500 video tape recorder in conjunction with a Beovision MX 5500/3500 or LX 5500/4500 TV.

For details of how to connect the VX 5500 to the TV and making the system ready for use, see the Beocord VX 5500 setting-up guide also enclosed with the video tape recorder.

The Beolink 5000 terminal enables you to operate a wide range of Bang & Olufsen products, including audio systems. See the Beolink 5000 user's guide for further details of how to use the Beolink 5000.

6 Switching on to a source
Switching off
Raising and lowering the volume
Muting the sound

Quick guides:
7 TV, satellite, teletext
8 Video playback
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11 Tuning the Video System
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Switching on to a source

To switch on you simply press the appropriate button, TV, SAT or V.TAPE. The source of your choice starts playing immediately.

The source is indicated in the Beolink 5000 display. If it's a TV program or a satellite program, the current program number is also indicated in the display. Select another program by pressing the appropriate number buttons.

Whenever you switch on the Video System, it starts playing at a preset sound level and the TV turns to its preset viewing position.

See pages 14-17 for details of how to adjust and preset these levels.

Adjusting volume

Press ∧ to raise the volume.
Press ∨ to lower the volume.

If you lower or raise the volume level temporarily, you may use the RESET button to hear the preset level again.

Muting the sound

The MUTE button silences the speakers immediately.

To recall the sound, press MUTE again.

Switching off

To switch off you simply press ●.

The video tape recorder switches off automatically if it is left unused for more than 8 minutes.

You may switch off the entire system immediately by keeping ● depressed for 2 seconds.

The functions explained on this page are functions used daily only.

For more special functions relating to teletext or satellite TV reception, refer to the guides enclosed with your Beovision MX/LX TV or Beosat LM module.

TV — Switches on to the TV program you were last watching

SAT — Switches on to the satellite program you were last watching

---

▲ or ▼ — Steps through programs

0 through 9 — Selects specific programs; 0 alone switches to the program you were last on

---

SAT then MENU — Calls up the satellite menu

then PLAY — Calls up the satellite program list

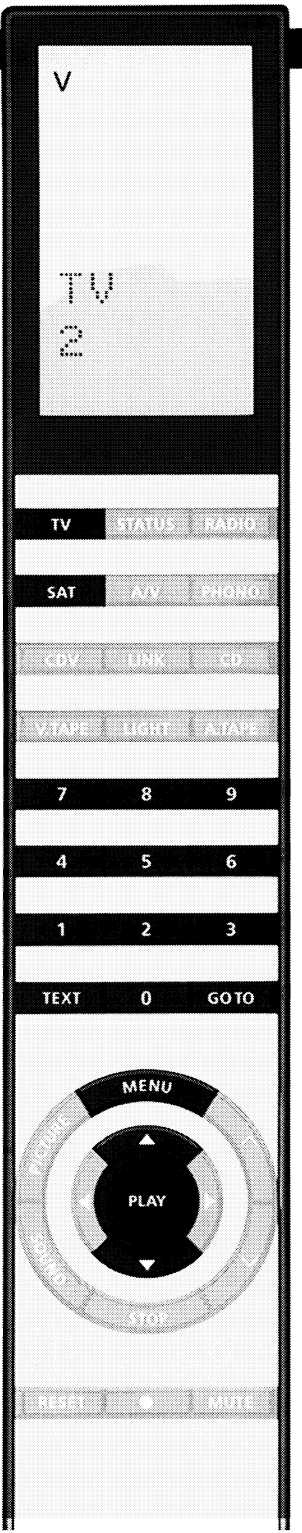
To select a satellite program, key in the appropriate number using the number keys

To leaf through the list, press PLAY repeatedly

TEXT — Switches to teletext

▲ or ▼ — Steps through the four memory pages

GO TO then 1 2 3 — To select a specific page, *for example page 123*



Load the VHS cassette in the video tape recorder with the arrow uppermost and pointing toward the compartment opening. Push the VHS cassette through the door until you feel the mechanism drawing it all the way into the compartment.

Unload the cassette by pressing the EJECT button on the front of the video tape recorder.

V. TAPE — Starts playing the tape

0 *through* 9 — Finds and plays specific tracks

▲ — Plays the next track

▼ — Plays the current track from the beginning; press twice to play the previous track

GO TO *then* 2 1 5 — Plays the tape from a specific counter (or time left) position, *for example 215*

▶ — Cues forward through the tape

◀ — Cues backward through the tape

STOP — Stops the tape with a still picture on the screen

Then press ▲ to advance the tape frame by frame, or press ▶ to play the tape in slow motion mode

---

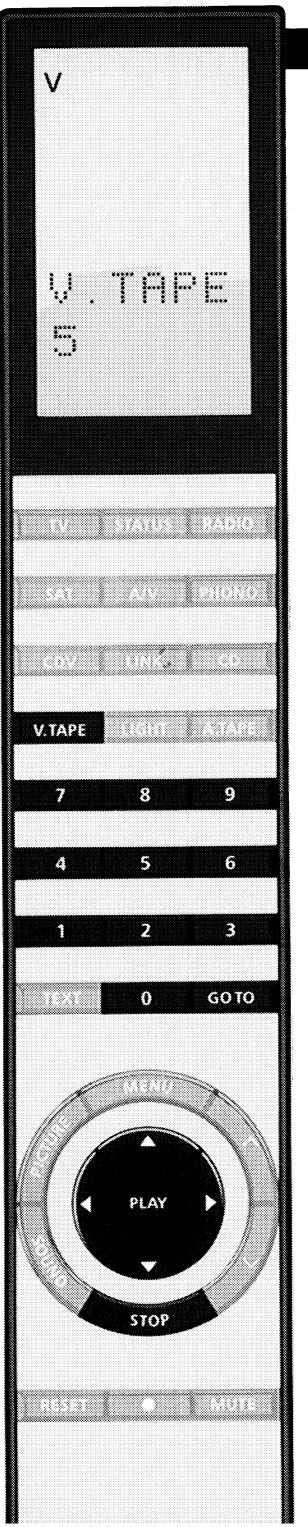
STOP — Press twice to stop playing

STOP *then* ◀ — Rewinds the tape

or ▶ — Fast forwards the tape

PLAY *or* V. TAPE — Resumes playing the video tape at any time

Note: The track search functions require that the tape was recorded with the track marking function cut in (see page 25).



It is easy to make a recording instantly on video tape, using the Beolink 5000.

The system ensures that "what you see and hear is what you get on your tape".

To record the TV program you are watching:

V RECORD — Press to make the video tape recorder set for recording

then

REC START — Then start recording...

REC STOP — Press to pause the recording

If you want to rewind the tape to the spot where your recording started, press RETURN

REC START — Press REC START again to resume recording, or

or

REC STOP — Press REC STOP again to leave the recording mode

Note: If you want to record one TV program while watching another at the same time, or if you want to switch off the TV while the recording is progressing, the video tape recorder must use its own built-in tuner for the recording. This means that you must select V.TAPE as source for your recording.

See page 19 if you want to make a timer recording, that is, a recording which starts and stops automatically.

To record one TV program while watching another at the same time:

V RECORD — Press to make the video tape recorder set for recording

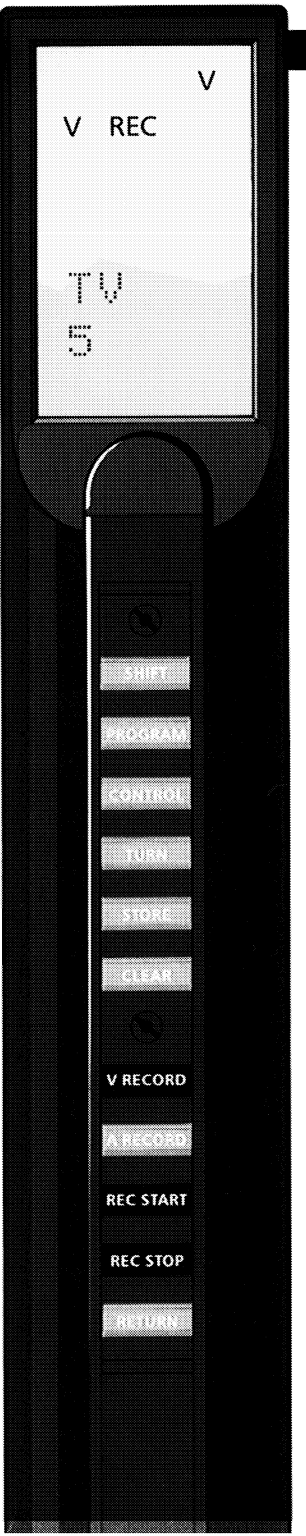
V. TAPE — Press to select the video tape recorder's own tuner as source for your recording

If you want to record another program than the one you were originally watching, key in the appropriate number

REC START — Then start recording...

You may now switch to TV and select the program you want to watch, or you may even switch off the TV, if you like

If, after switching to another channel, you want to monitor your recording, press V.TAPE



See two programs simultaneously...

PICTURE — Accesses the picture-in-picture function

then

TV — Selects the source you want to see in the small picture

or

V.TAPE

PICTURE — Moves the small picture from corner to corner

then

TURN

---

0 — Swaps the large and the small pictures

Your commands will still be directed to the source in the small picture

The sound always follows the large picture

TV

or

V.TAPE — Press the appropriate source button once to gain control of the source in the large picture

To regain control of the source in the small picture, press PICTURE, then the appropriate source button TV or V.TAPE

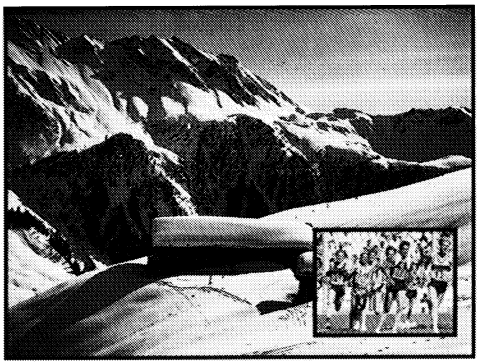
TV

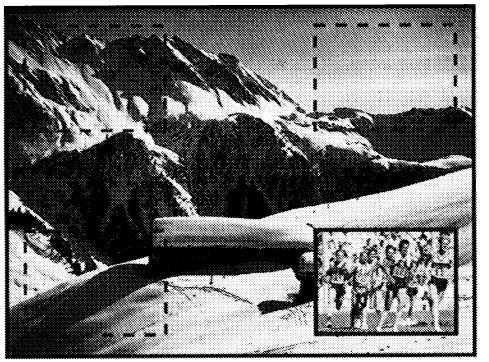
TV — Press twice to cancel the picture-in-picture function

or

V.TAPE

V.TAPE





The picture-in-picture function enables you to see two programs on the screen simultaneously, for example two different TV programs or a video tape and a TV program.

While you are watching one program, press PICTURE, then TV (if it is a TV program you want to see) to insert a small picture on the screen. You can now switch to the program number of your choice by keying in the appropriate number.

The cue CONTROL in the Beolink 5000 display indicates which source you are controlling: TV or V. TAPE.

To cancel the picture-in-picture function, select the source you want to see by pressing the appropriate source button twice.

Note: The picture-in-picture function requires that your TV is equipped with a picture-in-picture module. The picture-in-picture module is available as an optional extra from your Bang & Olufsen dealer.

Tuning on to TV stations

To select a TV station by keying in its program number, you must first tune to all the stations available in your area and preset them on program numbers of their own.

You can tune on to a TV station either by letting the system find it for you, or, if you know the exact frequency, by keying it in directly. There is a channel/frequency conversion list on page 35 of this guide.

The button GO TO accesses the tuning function. The button STORE is used to store a station on a program number.

The TV and the video tape recorder are tuned simultaneously! This means that you only have to go through the tuning process once. All the stations you tune to and preset (or store) in the TV are automatically transferred to the video tape recorder – on identical program numbers.

You can store 45 different stations on program numbers of their own (1-45).

The program numbers 46-50 are used if the TV is installed in a Local Control System (X-tra TV). Please refer to your Bang & Olufsen dealer for further details.

Press to switch on the Video System — TV

Press to access the tuning function — GO TO

*The cue **TUNE:** appears on-screen*

Press if you want to search for a frequency (up or down the frequencies) — ▲ *or* ▼

Alternatively, key in the frequency of the station you want
for example 210 MHz — 2, 1, 0

Wait for the station to appear on the screen

Press if you want to fine tune — SHIFT *then* GO TO

Alternatively, press GO TO twice

Press to fine tune towards a higher frequency — ▲

Press to fine tune towards a lower frequency — ▼

Press to access the storing function — STORE

Key in the number on which you want to store the station
for example 1 — 1

Press again to store the station — STORE

The TV automatically switches to the TV system used by the stations in your area, as indicated by the information in the on-screen display which appears while you are tuning:

SYS:B	*PAL I and PAL/SECAM B/G (VHF)*
SYS:G	*PAL I and PAL/SECAM B/G (UHF)*
SYS:L	*SECAM L*

You may under very special circumstances have to switch manually between these systems. To do so, press SHIFT, then 3, after pressing GO TO to access the tuning function.

Note: TVs sold in the UK are equipped to receive the PAL I TV system only.

If a decoder has been programmed into your Video System, the Video System must be instructed to cut in the decoder every time the scrambled station is selected. To do so, you must press TURN (on the back of the Beolink 5000) after pressing GO TO to access the tuning function. Don't forget to store your decoder instruction.

The decoder is indicated by the information in the on-screen display which appears while you are tuning:

----	*No decoder is required*
DEC-1	*Use decoder 1 for this TV program*
DEC-2	*Decoders 2-4 are used only in special setups*
DEC-3	
DEC-4	

See the VX 5500 setting-up guide for details of connecting a decoder and programming it into the system.

Naming TV stations

TV

then

1

Switch on to the TV program you want to name,
for example 1

GO TO

GO TO

GO TO

Press three times to access the naming function

*The cue **PROGRAM NAME:** appears on-screen*

The first of the 20 character positions blinks, indicating that you can start "writing" a name

▲

or

▼

Press repeatedly to reveal the letter or figure you want on this position

▶

Press to step to the next character position

◀

Moves backwards through the character positions

Repeat this procedure until you have filled in all the letters or numbers you want

STORE

STORE

Press twice to store the name for your chosen program number

You can give a short name of your own choice to each TV station you have tuned to and stored on a program number.

This enables you to remember the TV programs not only by their number, which you need for access, but also by their own name. The name of the station appears on-screen every time you select it.

The naming function is part of the tuning function and is accessed by pressing GO TO three times. The name may contain up to 20 characters, including numbers.

Note: You can use the CLEAR button on the back of the Beolink 5000 to clear a program number entirely, that is, to remove all the data you have previously stored on it, including the program name.

*To do so, press CLEAR twice while you are on the program number you want to clear. The cue **PROGRAM NOT STORED** appears on-screen indicating that you can no longer select this TV program.*

Tuning on to satellite stations

This tuning procedure enables you to tune on to different satellite stations, provided they are broadcast by the same satellite (Astra for example) and use identical video and sound carriers.

Once you have tuned on to a satellite station and preset it on a program number of its own, you can access it directly by keying in the appropriate number.

Note: Tuning on to satellite stations according to this procedure requires that your TV is equipped with a Beosat LM module.

You can tune on to a satellite station either by letting the system find it for you, or, if you know the exact frequency, by keying it in directly. You must also specify whether the station is horizontally or vertically polarized.

The button GO TO accesses the tuning function. The button STORE is used to store a station on a program number.

You can store 99 different stations on program numbers of their own (1-99).

Press to switch on the Video System — SAT

Press to access the tuning function — GO TO

The satellite tuning function is now cued on the screen

Press to search for a station (up or down the frequencies) — ▲ *or* ▼

Alternatively, key in the frequency of the station you want, using 4 or 5 digits as appropriate

Wait for the station to appear on the screen

Press to adjust polarity — ▶ *or* ◀

If a decoder has been programmed into your Beosat LM module, the Beosat LM module must be instructed to cut in the decoder every time the scrambled station is selected. To do so, you must press TURN (on the back of the Beolink 5000) after pressing GO TO to access the tuning function.

The decoder is indicated by the information in the on-screen display which appears while you are tuning:

OFF	*No decoder is required*
DEC-1	*Use decoder 1 for this satellite program*
DEC-2	*Use decoder 2 for this satellite program.*

See the special Beosat LM guides for details of connecting decoders and programming them into the system.

The Beosat LM module is preprogrammed with all the stations broadcasting via the ASTRA satellite. The program list, which can be called on-screen, gives a survey of all the stations stored in the Beosat LM module, including their names.

*To call up the program list, press MENU. The main menu now appears. Press PLAY (PLAY accepts the item lighting up in red = **PROGRAM LIST**). To see one of the satellite programs in the list, simply key in the appropriate number.*

If you want to rename some of the stations, or if you want to add new names to the list, follow the procedure described on page 12, but press the SAT button before you start (instead of TV).

For further details about how to tune on to satellite stations, refer to the guides accompanying the Beosat LM module.

Press if you want to fine tune — SHIFT *then* GO TO

Alternatively, press GO TO twice

Press to fine tune — ▲ *or* ▼

Press to access the storing function — STORE

Key in the number on which you want to store the station, *for example 9* — 9

Press again to store the station — STORE

Picture adjustments

PICTURE
then
MUTE — Mutes the picture

Press again to recall the picture

PICTURE — Press once to access the turning function

*While the cue **STAND** is visible on the screen, adjust the TV angle as required*

then
▶ — Turns the TV to the right
or
◀ — Turns the TV to the left

PICTURE — Press repeatedly until the picture level cue you want is displayed on the screen

Then raise or lower the level as required

then
▲ — Raises the level
or
▼ — Lowers the level

The following functions are included in the picture adjustment sequence:

- "Muting" the picture, which means that the screen is blanked so that you can *hear*, but not *see*, the TV program
- Turning the TV to the left or to the right to suit your viewing position (requires that the TV is mounted on a motorized base or stand)
- Brilliance, colour and contrast adjustments

The PICTURE button (circle button) gives access to these functions. The circle buttons with arrows pointing up and down, left and right, are used to adjust as required.

Each time you press PICTURE, a cue appears on the TV screen, indicating which adjustment can be made:

BRILLIANCE	*brilliance*
<STAND>	*stand*
COLOUR	*colour intensity*
CONTRAST	*contrast*

The cues for brilliance and stand appear simultaneously on the screen, indicating that you can use ◀ or ▶ to adjust the TV angle, and ▲ or ▼ to adjust brilliance.

The TV can be turned by up to 35 degrees to either side.

Brilliance and colour can be adjusted within a range of 0 to 62 (30-34 is a medium setting).

Contrast can be adjusted within a range of 0 to 63 (40-48 is a medium setting).

When the TV leaves the factory, all these picture levels are set to neutral values which suit the majority of situations.

Storing new picture levels

PICTURE — Press once to access the storing function

then
STORE
STORE — Press STORE (on the back) twice to store new levels

You can store your adjusted levels in the TV so that it switches on at e.g. a lower brilliance level than the one stored at the factory.

Note: All the current picture levels will be stored simultaneously. This includes the position of the TV if it has been adjusted. This means that whenever the TV is switched on, it automatically turns to the stored position.

Sound adjustments

The following functions are included in the sound adjustment sequence in your TV:

- Volume level
- Loudspeaker balance
- Bass and treble adjustments
- Loudness

The loudness function is used to compensate for the human ear's lack of sensitivity to high and low frequencies when listening to low volume levels. It "boosts" the low and high frequencies so that the music becomes more dynamic.

If you have connected external speakers (Power Link) to your TV, you can also select speakers (built-in speakers or external speakers), and you can operate the Centre Balance function. See page 17 for details of the Centre Balance function.

The SOUND button (circle button) gives access to these functions. The circle buttons with arrows pointing up and down, left and right, are used to adjust as required.

Each time you press SOUND, a cue appears on the TV screen indicating which adjustment can be made:

VOLUME	*volume level*
BALANCE	*left/right balance*
	Centre Balance
BASS	*bass tones*
TREBLE	*treble tones*
LOUDNESS	*loudness*

These adjustments are also cued in the Beolink 5000's display.

Volume can be adjusted within a range of 0 to 80.

The balance adjustment range is illustrated by a scale with = showing the current balance setting:

L--------=--------R	*left/right balance*
L-----=-----C-----=-----R	*Centre Balance*

Treble and bass can be adjusted within a range of -4 to 4 (0 is a medium setting).

Loudness can be set to ON or OFF.

When the TV leaves the factory, all these sound levels are set to neutral values which suit the majority of situations.

The cues for speaker selection appear along with the sound cues, in the right-hand side of the TV screen:

INTERNAL	*internal speakers only*
ALL	*internal and external speakers*
EXTERNAL	*external speakers only*

Press repeatedly until the sound cue you want is displayed on the TV screen — SOUND

Then adjust as required

VOLUME, BASS, TREBLE — *then*

Raises levels — ▲

Lowers levels — ▼

BALANCE — *or*

Shifts balance to the right or to the left — ► / ◄

or

Centre Balance: Shifts the sound towards the sides or towards the centre — ▲ / ▼

LOUDNESS — *or*

Cuts the loudness function on or off — ▲ / ▼

Press to select speakers — SOUND

then

Internal speakers only — 1

or

Internal and external speakers — 2

or

External speakers only — 3

See the next page for details of how to store your preferred levels.

Storing new sound levels

SOUND — Press once to access the storing function

then

STORE
STORE — Press STORE (on the back) twice to store new levels

You can store your adjusted levels so that the Video System switches on at e.g. a lower volume level than the one stored at the factory.

Note: All the current sound levels will be stored simultaneously, including your choice of speakers.

Switching sound

TURN — Switches sound mode or language in a multi-language program

STORE
STORE — Stores the current sound mode on the current program number

You can switch between the different sound modes available on the TV program or satellite program you are watching.

You can for example switch from stereo to mono, or from one language to another if you are watching a multi-language program. Or you can switch to the radio sound on satellite programs.

The button TURN (on the back of the Beolink 5000) is used to switch sound modes. You will also use TURN while playing back a video tape to switch between the different sound tracks on the tape.

Different sound modes can be stored on different program numbers. This means that whenever you switch programs, you will hear the sound mode (a specific language, for example) you have selected for the chosen program number.

The current sound mode is indicated on the screen:

MONO	*mono sound*
STEREO	*stereo sound*
MONO-1	*language one – mono*
MONO-2	*language two – mono*
STEREO-1	*language one – stereo*
STEREO-2	*language two – stereo*
STEREO-3	*language three – stereo*

Note: No sound indication at all means that the TV station concerned transmits only (and always) in mono.

To obtain the stereo sound from TV programs your TV must be equipped with a stereo decoder (for the A2 system or the NICAM system, or both).

Such stereo sound will be recorded on to the video tape if you use the instant recording method described on page 9, which ensures that you get a true copy of what you see and hear.

To obtain the stereo sound from TV programs which you record via the video tape recorder's own tuner, the VX 5500 must also be equipped with a stereo decoder (for the A2 system or the NICAM system, or both).

The Beosat LM module is equipped to receive the stereo sound as standard.

If you have switched to the radio sound of a satellite program, you can store the radio sound on a program number of its own:

TURN — Press repeatedly until you hear the radio sound

STORE — Press to access the store function

Key in the number on which you want to store the satellite radio program,
for example 25

2
5

STORE — Press again to store the station

Access the satellite sound tuning menu to define the program as a radio program if you want the picture to be blanked when you are on this program

Centre Balance

If you have connected external Power Link speakers to your Video System you will find that the sound of video programs (TV, satellite or video tape) comes very close to what is experienced in a cinema. This is because the special speaker setup allows the width and depth of the sound stage to be reproduced almost authentically.

Note: External Power Link speakers must be set up and programmed into the system according to the instructions in the TV setting-up guide.

The Centre Balance function is a special Bang & Olufsen feature for Video Systems fitted with external Power Link speakers.

It is used to balance the sound of the external speakers and the centre speakers (built-in speakers).

The purpose of this adjustment is to ensure that the stereo sound can be given the enhanced effect which the external Power Link speakers are able to produce, and that mono sound, for example the voice of a person appearing on the TV screen, can be made to appear to originate from the screen.

Before adjusting the balance between the two pairs of speakers, you must first cut in both the external and the internal speakers by pressing SOUND, then 2 (cf. page 15).

Then press SOUND three times to cue the Centre Balance function on-screen. When the Centre Balance function is cued, press ▲ or ▼ until you feel that the total sound image is balanced, that is, no one speaker seems to be dominating. Then press STORE twice.

The Centre Balance setting is now reset to neutral, indicating that this is your basic setup.

From now on you may adjust the Centre Balance as desired to allow for special circumstances such as those described in the frame above.

If you have adjusted the Centre Balance temporarily, do not store any other sound values, as this will change your basic Centre Balance setting simultaneously.

Press to cut in all speakers — SOUND, *then* 2

*The cue **ALL** now appears on-screen*

Wait for the displays to disappear

Press three times to access the Centre Balance function — SOUND, SOUND, SOUND

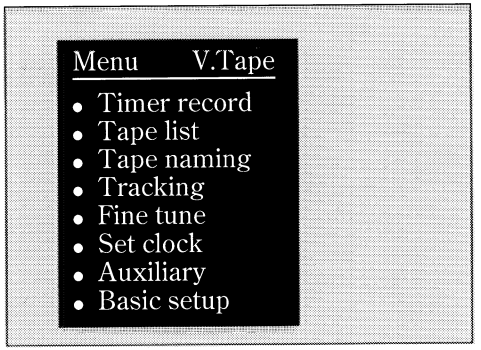
The cue for Centre Balance now appears on-screen:
BALANCE L-----=-----C-----=-----R

While this cue is visible, shift the sound towards the sides or towards the centre — *then* ▲ *or* ▼

Press twice to store the current setting — STORE, STORE

If the display disappears before you have stored your Centre Balance setting, press SOUND before pressing STORE.

How to operate the on-screen displays



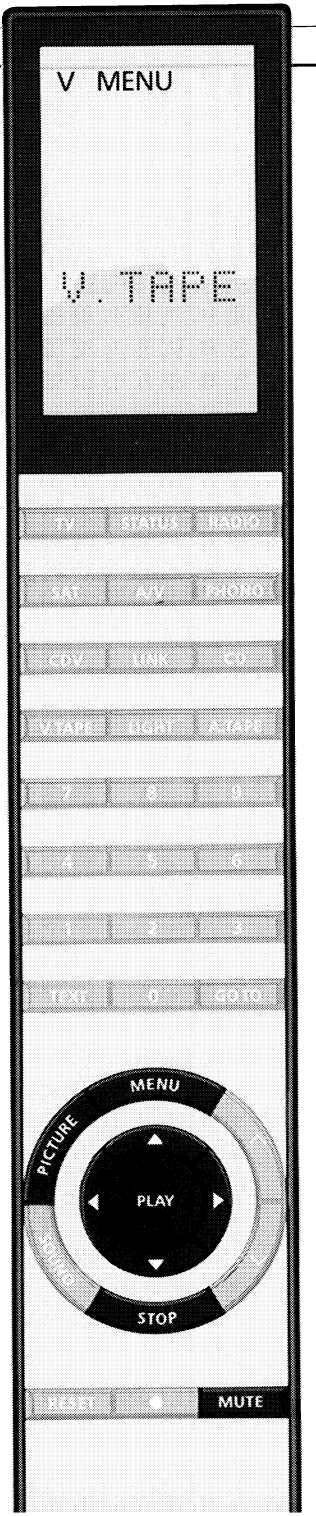
The Beocord VX 5500 menu gives you a survey of all the functions available to you.

Timer record... see page 19
Tape list... see page 21
Tape naming... see page 22
Tracking... see page 23
Fine tune... see page 23
Set clock... see page 24
Auxiliary... see page 26
Basic setup... see page 25

To operate the on-screen displays you must move a cursor (or pointer) from one position to another. Each cursor position indicates a function which can be chosen, or data that can be changed.

The position of the cursor is indicated by text or figures lighting up in red.

The on-screen displays are either in the form of menus (lists) of functions from which you choose what you want to do next; or they are in the form of fill-in pages which prompt you to fill in the data applying to your setup.



The MENU button calls up the on-screen displays.

The ► button moves the cursor from one position to the next, lighting up the text in red. The ◄ button reverses the direction of the cursor.

The ▼ button reveals alternative options within the same cursor positon. It also moves the cursor downwards on menu pages. The ▲ button lets you return through the options. It also moves the cursor upwards on menu pages.

When the option of your choice is lit up in red, you press PLAY to activate your choice. If you are on a fill-in page, PLAY is used to accept all the information on the page.

The STOP button calls up the previous page. No new information is stored, and no specific function is selected. To remove the displays immediately, simply press the button of the source you want to see.

Timer recording

The Video System 5500 can be programmed to start and stop recording automatically at any time you specify. It can be programmed to record both TV and satellite programs (and radio programs, if it is connected to a compatible Bang & Olufsen audio system).

To call up the on-screen display for timer recording, you must select V.TAPE as source, then press MENU immediately. You will now see the display pictured on page 18.

The first item in the menu – **Timer record** – is that for timer recording. When you select this function, the timer index appears.

Any timer recordings which may already have been programmed into the system are included in the index. If no timer recordings have been made, the text "No timers programmed" will appear.

If you press PLAY immediately, you will get access to the display for timer programming, as indicated by the dotted line lighting up in red (= cursor position).

You can now proceed to fill in the data for the timer recording you want to program.

On-screen display for timer programming

***Source:** Press ▼ repeatedly to display the sources one by one:*

V-tuner... The video tape recorder's own tuner
Radio... Radio program (sound only)
Satellite... Satellite program
TV... The TV tuner
V-tuner Radio... Simulcast, that is, a TV program and a radio program simultaneously

We recommend you select the video tape recorder's own tuner if you want to make a timer recording of a TV program.

***Start time and stop time:** Key in the times you want the recording to start and stop, e.g. 21:00 for 9 pm and 22:00 for 10 pm.*

***How often:** Press ▼ if you want "Daily" or "Weekly" instead of "Once only".*

If you select "Once only", you must fill in a date. If you select "Weekly", you will be prompted to fill in the day or days in each week on which you want the recording to take place.

***Store or clear:** You may store or clear your timer recording. Press ▼ to display your option.*

Press to call up the video tape recorder's menu — V.TAPE *then* MENU

*The cursor will be on the item **Timer record***

Press to access **Timer record** — PLAY

The index page now appears

Press to access the timer programming function — PLAY

The programming display now appears; proceed to fill in the data required for the program you want to record

Press to move the cursor — ▶ *or* ◀

Press to reveal options — ▼ *or* ▲

Use the number keys 0 to 9 to fill in program number and start and stop times — 0 *through* 9

When you have filled in all the data required for your timer recording, press PLAY — PLAY

The timer index returns, now including the timer recording you have just programmed into the system

See the next page for further details.

The dotted line always included in the index indicates that you can program another timer recording. When no more recordings can be programmed, no dotted line is available, and the index will list the eight timer recordings waiting to be executed.

Check the clock
Don't forget that the Video System's built-in clock must be set to the correct date and time so that your timer recordings can be executed at the programmed time.

To check the date and time you must select the item **Set clock** in the main menu. See page 24 for details of how to set the clock.

Another way of programming
Instead of calling up the on-screen displays in order to program a timer recording, you may use the Beolink 5000 display to enter the data of a timer recording.

This is useful if you want to program your timer recording in peace and quiet, without disturbing anybody else watching TV. See the Beolink 5000 user's guide for details of this function.

The VPS option is available for your timer recordings via the built-in tuner if your video tape recorder is equipped with a VPS decoder (VPS = Video Programming System) for reception of the VPS signals accompanying most West German TV programs. The VPS decoder ensures that the TV program which you have instructed the video tape recorder to record will be recorded in its full length, even if it is delayed or prolonged.

If the VPS function is not cut in, any irregularities will not be allowed for and recording will start and stop as programmed.

See page 25 (Basic setup preferences) for details of how to cut in the VPS function.

If you are playing a tape, or if you are in the process of making a recording, when a timer recording is about to be executed, playing or recording will stop and this text will appear on the TV screen:

The text appears approximately 8 minutes before the recording is due to start, leaving you enough time to change tape cassettes, if required, and to find the right spot on the tape.

Do not press PLAY until the tape is ready for recording!

Alternatively, press STOP if you don't want the timer recording to start.

Keeping a list of your video recordings

The functions **Tape list** and **Tape naming** appearing in the main menu provide you with an efficient and easy-to-use file system for your video recordings.

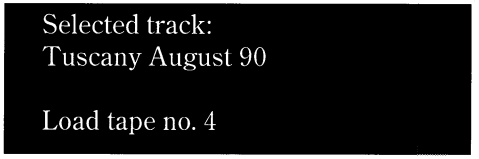
The on-screen tape list gives you a survey of all your video recordings (on all your tapes). You just have to call up the tape list, leaf through the recordings, and then key in the number of the recording (track) you want to play.

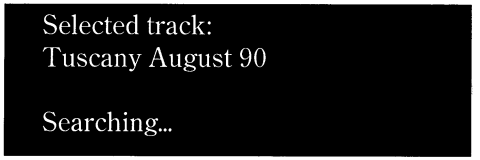
The video tape recorder will then tell you which tape you must load. When you have loaded the tape, the video tape recorder starts searching for the track you have asked for, and starts playing it the moment it has found it.

All that is required from you in order for this file system to work properly, is that you number your tapes and enter the name of each recording you make.

To call the tape list on-screen, press V.TAPE, then MENU immediately. The main menu now appears. Press ▼ to light up the item **Tape list** in red, then press PLAY to select it.

The tracks appear in alphabetical order. Immediately you select the track you want to play, the video tape recorder prompts you to load the appropriate tape:





The video tape recorder is searching for the track you have selected.

Press to call up the video tape recorder's menu — V.TAPE *then* MENU

Press to light up the item **Tape list** — ▼

Press to select **Tape list** — PLAY

The tape list now appears on-screen

Press to leaf through the list, page by page — ▶ *or* ◀

Key in the number of the track (recording) you want to see — 0 *through* 9

Load the tape prompted by the on-screen display

The video tape recorder starts playing the chosen recording immediately it has found it

See the next page for details of how to name your recordings.

Naming your recordings

V.TAPE — Press to call up the video tape recorder's menu

then

MENU

▼ — Press twice to light up the item **Tape naming**

then

PLAY — *The naming menu now appears*

3 — Key in the tape number of your choice, *for example 3*

then

PLAY — Press to accept your choice

▼ — Press repeatedly to light up the track number you want to name

then

PLAY — Press to select the track number which lights up in red

The naming page now appears; the cursor (red spot) is on the first of the 20 character positions, indicating that you can start "writing" a name

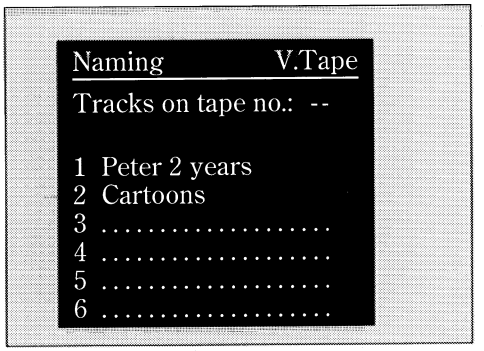
▲ *or* ▼ — Press repeatedly to reveal the letter or figure you want on this position

0 — *Switches from upper to lower case, or vice versa*

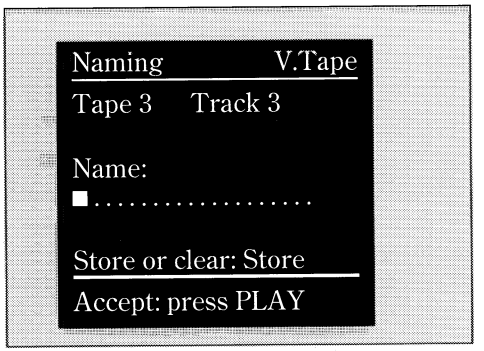
► — Press to step to the next character position

◄ — *Moves backwards through the character positions*

PLAY — Press twice to store your name



Two recordings (track 1 and 2) have been registered for this tape no. 3.



The name may contain up to 20 characters. The moment you start "writing" a name, the dotted line disappears. This is to indicate that the dots are not considered part of the name.

Each recording you want to appear in the tape list must be named, and the number of the tape on which it can be found, must be registered.

To do so, you must select the item **Tape naming**, which appears in the main menu.

The list, which now appears, gives you a suvey of all the tracks (recordings) on a given tape. To obtain a list of the tracks on every tape in your collection, just key in the appropriate tape number and press PLAY.

The tape list can contain up to 99 tracks in total. Up to 6 tracks can be registered for one tape.

To fill in a name, move the cursor to the appropriate track number, then press PLAY. You will now be prompted to "write" the name of your recording. Press PLAY to store the name.

If you want to clear a name, move the cursor to the bottom line, then press ▼ to reveal "Clear" instead of "Store". Press PLAY to accept your choice.

Video tape tracking

Streaks in the picture, especially appearing at the top and bottom of the screen, or noise in the sound, may be due to imprecise tracking of the video tape.

This is seen most often when playing back tapes recorded on another video tape recorder or when playing back prerecorded tapes.

To adjust the tracking of the video tape, call up the video tape recorder's menu (during playback) and select the item **Tracking.**

This information now appears on the screen:

Press ◄ or ► repeatedly until you obtain the best possible picture and sound.

The display will be removed automatically from the screen if you do not press ◄ or ► within 10 seconds. Press PLAY to finish your tracking adjustment.

Every time you load a cassette the tracking adjustment function is reset to its neutral position.

Fine tuning the video tape recorder

Tuning the Video System, as described on page 11, means tuning the TV and the VX 5500 video tape recorder simultaneously, including any fine tuning instructions.

If, however, you find that your recordings of TV programs (via the video tape recorder's built-in tuner) do not produce pictures of the same quality as when you are watching TV, it may be because the video tape recorder needs fine tuning.

Note: The quality of your recordings may also be adversely affected if you are using low-priced tapes.

To fine tune the video tape recorder switch to recording pause mode by pressing V RECORD, then V.TAPE. The TV program you now see is produced by the video tape recorder's tuner, and you can select the TV program you want to fine tune.

Then call up the main menu and select the item **Fine tune.** This display now appears at the bottom of the screen:

Press ▲ or ▼ to fine tune until the picture is clear and stable. Press PLAY to store your fine tuning instruction.

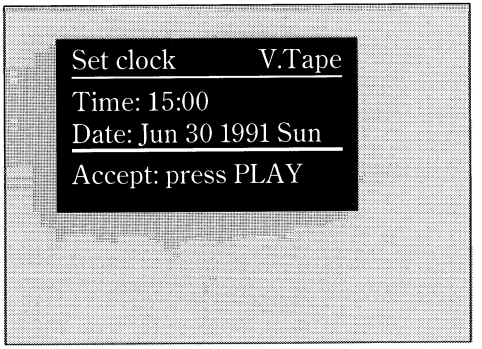
Alternatively, press STOP if you do not want to store your fine tuning instruction.

To leave the recording pause mode, press STOP.

Set the time and date

The Video System's built-in clock must be set to the correct time and date so that your timer recordings can be executed at the programmed time.

To set the clock you must select the item **Set clock** from the menu. You will now see this display on-screen:



It is 3 o'clock in the afternoon, the day is Sunday, the 30th of June, 1991.

Enter the correct time by using the number keys on the Beolink 5000.

Move the cursor to the month by pressing ▶. Enter the correct month by pressing ▲ or ▼. Use ▶ to move the cursor to the date. Enter the date by pressing the appropriate number(s) – you will find that the correct day is entered automatically.

Press PLAY to store the date and time.

Note: The Video System clock is backed up by a battery, which ensures that it keeps going even if power failures occur.

If you want to synchronize the Video System time with the teletext time of the TV program you are on:

PLAY — Press to display the Video System clock

TEXT — Press to call up the teletext time

STORE — Press twice to store the time

STORE

While watching a TV program you can check the time (not the date) simply by pressing PLAY.

The current time now appears in the upper right-hand corner of the TV screen.

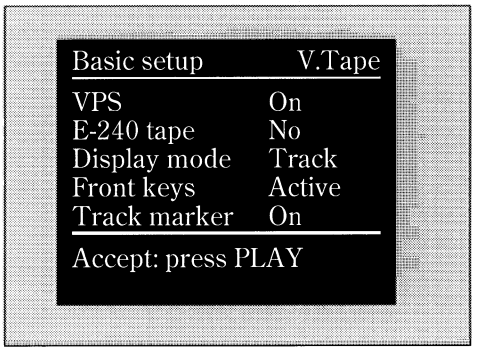
You can set a new time, if required, which is in accordance with the time shown by the teletext pages of the TV program you are on. To do so, you must call up the teletext time instead and then press STORE twice to store that time instead.

Note: Seconds cannot be set in the Video System clock. We therefore recommend that you aim to press STORE the second time as the digits for seconds show 00 or 01.

Basic setup preferences

Basic setup is related to certain functions in the video tape recorder which you can set according to your preferences, for example if you want tracks to be registered and displayed, or if you want the front keys on the VX 5500 to be locked.

To set these functions, call up the main menu and select the item **Basic setup.** This display will now appear on-screen:



Use ▶ to high-light the items one by one in red, and use ▲ or ▼ to review the input options available for each item:

VPS	*On or Off*
E-240 tape	*Yes or No*
Display mode	*Track, Counter or Time left*
Front keys	*Active or Inactive*
Track marker	*On or Off*

When you have set your preferences, press PLAY to accept and store them.

VPS

The VPS function, which is used in connection with your timer recordings, can be cut in or out, as required. See page 20 for details of this function.

Note: Not all the video tape recorders in the VX 5500 line are equipped with a VPS decoder. Hence the VPS option may not be available in the menu produced by your VX 5500.

E-240 tape

If you are using an E240 tape, that is, one of 4 hours' playing time, and you want the display to read out the time left on the tape, you must select the "Yes" option for this function.

You may also use the button E240 on the front of the VX 5500 (behind the hinged led) to cut the E240 function in and out.

Display mode

The VX 5500 calibrates the tape, that is registers its exact position, during playback and recording. This information is read out on the front of the VX 5500 and on the status displays inserted on the TV screen. You can instruct the VX 5500 to use one of the following display modes:

Track... Allows you to see which track number is playing, provided a specific track number has been selected. This function requires that the tape was recorded with the "Track marker" set to "On".

Counter... Allows you to register the counter position of any passage on the tape for later retrieval. The counter is always reset to 0000 when a cassette is loaded, or when it is rewound to the beginning.

Time left... Allows you to see how much playing time (hours and minutes) is left on the tape.

Front keys

You can lock the front keys on the VX 5500 so that it cannot be operated close-up, but only by remote control. If you want to lock the front keys, select "Inactive".

Track marker

If you want to use any function in the VX 5500 requiring it to search for tracks, for example if you key in a specific track number you want it to play, the track marker must be on during recording.

This means that each separate track (recording) on the tape will be encoded with a special signal by which they can later be identified and counted.

Connecting auxiliary video equipment

V.TAPE
then
MENU

Press to call up the video tape recorder's menu

▼

Press repeatedly to light up the item **Auxiliary** in red

then
PLAY

Press to select **Auxiliary**

You can now see the pictures produced by the auxiliary equipment on the screen

V RECORD

Press to make the VX 5500 set for recording

REC START

Press to start recording...

You can connect auxiliary equipment, for example a video camera, to the AUX socket on the VX 5500.

Such equipment is selected as source in the Video System by choosing the item **Auxiliary** in the main menu. The moment you press PLAY to select **Auxiliary**, the Video System switches to AUX mode and you can see the pictures produced by the auxiliary equipment.

If you want to record from the auxiliary source onto a tape in the VX 5500, press V RECORD, then REC START on the Beolink 5000.

Note: If you have connected a camera which is equipped with a camera pause plug, connect it to the CAMERA PAUSE jack on the rear panel of the VX 5500. This enables you to start and stop the video tape in the VX 5500 using the buttons on the video camera.

Copying tapes

SHIFT
then
V.TAPE

Press to switch the signal from the second video tape recorder to the TV

You can now see the pictures produced by the second video tape recorder on the TV screen

V RECORD

Press to make the VX 5500 set for recording

REC START

Press to start recording...

The cue AUX is visible on the front of the VX 5500

The Video System allows you to copy tapes from a second video tape recorder onto the VX 5500, using the Beolink 5000 only to control the process.

The second video tape recorder must be connected to the AV2 socket on the Beovision MX or LX TV and programmed into the Video System according to the instructions in the TV setting-up guide.

While the tape is being copied, you may watch a TV program or switch off the TV, if you like. Simply press TV or ● as appropriate. Press SHIFT, V.TAPE again to monitor the copying process.

Note: You can of course copy tapes the other way round as well, that is, from the VX 5500 to the second video tape reocrder. To do so, you must press V.TAPE to start playing the tape in the VX 5500, then press SHIFT, V RECORD to switch the VX 5500 signal to the second video tape recorder. Cut out the HQ function in the VX 5500, then start recording on the second video tape recorder as usual.

You may also use the auxiliary function described above to record from any other video tape recorder onto the VX 5500. In this case, the other video tape recorder must be connected to the AUX socket on the VX 5500.

Note: Copyright laws prohibit the copying of certain video tapes or TV programs.

Using the VX 5500 for an audio-only recording

An audio-only recording can be made from an audio source in your Bang & Olufsen Audio/Video System, meaning that only sound will be recorded on the video tape.

The VX 5500 records at half the usual speed in audio mode. This enables you to record uninterruptedly for up to eight hours if you are using an E240 tape.

When playing back the audio tape, the VX 5500 automatically switches to audio mode. If the TV is on, you will then see just a blue screen.

See the separate Beolink 5000 guide for further details of the Bang & Olufsen Audio/Video System.

Press to switch on the audio source you want to record
for example radio

A/V
then
RADIO

The TV is now in audio mode

Select the preset radio station of your choice,
for example 3

3

Press to switch to recording pause mode

V RECORD

The VX 5500 automatically switches to audio mode, as indicated by the AUDIO cue on the front display

The LINE cue indicates that a source in your audio system is being recorded

Press to start recording...

REC START

HQ function

The HQ function is designed to improve the picture quality of your video recordings. In order to prevent any bad side effects of the doubling of the HQ function, however, we recommend that you cut it out when copying tapes from the VX 5500 onto a video tape recorder also equipped with the HQ function.

To cut out the HQ function, press the HQ OFF button on front of the VX 5500 (behind the hinged lid).

Adjusting the recording level

When recording a TV program from the video tape recorder's own tuner, you need not adjust the recording level. This is done automatically.

If you are recording from any external source, the recording level must be adjusted manually.

To adjust the recording level, you must use the REC LEVEL sliders on the right-hand side of the VX 5500 operating panel (behind the hinged lid).

We recommend you aim to keep the level around the 0 mark in the VU-meter with only occasional blinks in the red area beyond 0. The normal setting of the recording level sliders is at 4 (centre click position).

Selecting sound tracks during playback

You can switch between the different sound tracks recorded on the tape:

Hi-Fi (including the left and right sound channels), linear or select a combination of Hi-Fi and linear.

The current sound mode is indicated on the VX 5500 front display:

LINEAR	*Linear sound track*
MIX	*Hi-Fi and linear sound tracks*
L 1	*Left sound channel (language 1)*
L 2	*Right sound channel (language 2)*

Note: Hi-Fi is the standard sound mode and is not indicated on the display.

Press TURN on the Beolink 5000 or SOUND on the VX 5500 to switch between the sound tracks available on the tape.

Recordings are always made with both a Hi-Fi and a linear sound track. During playback, however, the VX 5500 automatically reproduces the Hi-Fi sound track, unless otherwise instructed.

If for example you are playing back a "worn" Hi-Fi tape, the Hi-Fi sound may be adversely affected and yhou should switch to the linear sound track.

You must also switch to the linear sound track if you want to hear the sound you have dubbed onto a tape.

If you are playing back a recording of a dual language program, you can select either of the two languages L 1 or L 2.

If you want to hear both the Hi-Fi and the linear sound tracks, select the MIX mode.

Audio and video dubbing

Audio dubbing means that you record new sound onto a video tape, for example add your own voice or music to a tape you have recorded with your video camera.

If you want to add your own voice to a tape, you must plug a microphone with a mini-jack into the socket marked MICROPHONE on the front of the VX 5500.

The new sound dubbed onto the tape replaces the sound originally recorded on the linear sound track, whereas the Hi-Fi sound track, if any, remains unaffected. This means that you can switch between, or mix, the two sound tracks (linear and Hi-Fi) when playing back the tape.

Video dubbing means that you record new pictures onto a video tape, for example insert a video camera recording onto the video tape.

Note: The video camera must be connected to the TV.

The new pictures recorded onto the tape erase the pictures that were originally recorded on the tape, including the original Hi-Fi sound, if any. The originally linear sound track remains, however.

You will be using buttons on the VX 5500 when making your audio or video dubbing.

The tape on which you want to dub new sound or pictures must be loaded in the VX 5500.

Audio dubbing

Load the tape you want to dub in the VX 5500 and show a still picture on the screen of the place where you want to start dubbing...

Press to access the dubbing function — DUB

Press to switch to recording pause mode — RECORD

If you want to add music to your tape, play the audio source of your choice through the TV speakers by pressing A/V, then e.g. CD

Press again to start recording — RECORD

If you are using a microphone, you may now start adding your own voice to the tape

Press to stop recording 2 x — STOP

Video dubbing

Load the tape you want to dub in the VX 5500 and show a still picture on the screen of the place where you want to start dubbing...

Press to initiate the dubbing function — INSERT *then* RECORD

Press to switch the VX 5500 to the AV mode (the cue **AUX** lights up) — SOURCE

Start recording from the video camera...

Press to start dubbing — RECORD

Press to stop recording 2 x — STOP

The various displays appearing at the bottom of the screen give you information about the current status of the VX 5500.

The video tape is playing – you are watching track number 3 on the tape.

The video tape is playing – the track number has not been registered.

The video tape is playing – 1 hour and 50 minutes of playing time is left on the tape.

The video tape is playing – at counter position 1234.

See page 25 for details of the different display modes.

You have pressed GO TO and are keying in a specific counter position you want the video tape recorder to find.

You have pressed ▶ to search forward for a specific spot on the tape.

You have pressed ◀ to search backward for a specific spot on the tape.

The video tape is being fast forwarded.

The video tape is being rewound.

The displays remain on the screen for a few seconds, then they disappear automatically.

You have pressed STOP to see a still picture on the screen.

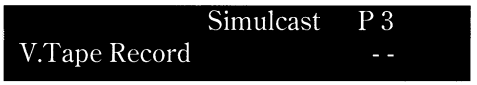
The tape has stopped.

If you do not resume playing within 8 minutes, the video tape recorder switches to stand-by automatically.

The video tape reocrder is set for recording via the AV cable, for example from the satellite tuner.

The video tape recorder is set for recording from itw own tuner, TV program 3.

Recording has started.



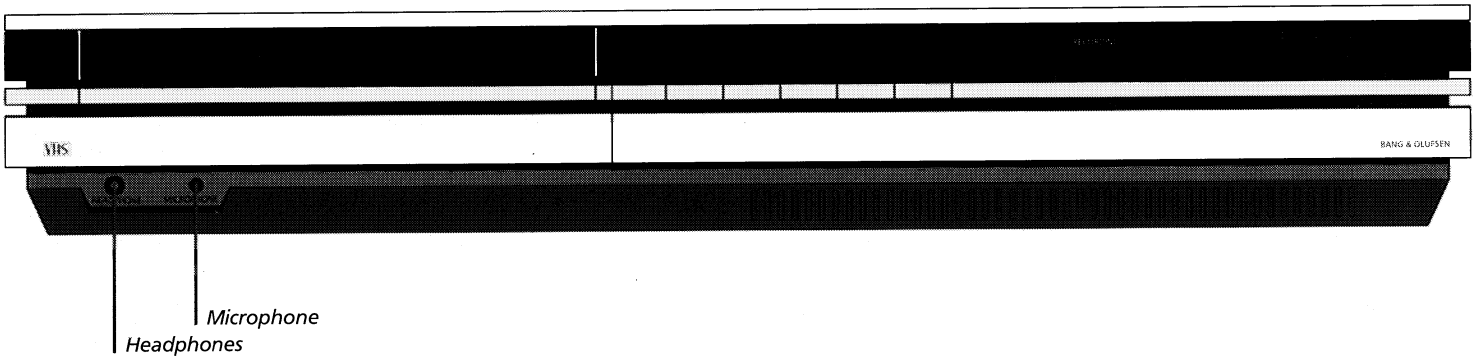
The video tape recorder is recording a simulcast program (FM sound from a radio program).

The video tape recorder is recording sound only, for example from the CD player in your audio system.

The display prompts you to load a tape before it can start playing or recording.

Recording is impossible because the safety tab on the tape has been removed.

Displays on the front



STEREO
Stereo reception indicator. (NICAM or West German A2 – not available as standard in all VX 5500 video tape recorders).

VPS
VPS function cut in (VPS decoder not available as standard in all VX 5500 video tape recorders).

BILINGUAL
Dual-language program.

88:88
Tape counter, track number or time left. Program number if in recording pause mode.

TIMER
Timer recording programmed. Blinks during timer recording. Blinks rapidly if a timer recording is prevented from being executed.

E240
Indicator for E240 VHS cassette.

AUX
AV mode indicator.

LINE
LINE mode indicator (sound recorded from audio system).

VIDEO
Standard video mode indicator.

AUDIO
Audio-only mode indicator.

RECORDING
Recording in progress.

PAUSE
Recording pause mode or still mode.

LINEAR
Linear sound track selected.

MIX
Linear and Hi-Fi sound tracks selected.

L1 L2
Left or right sound channel selected (language 1 or 2).

HQ OFF
HQ function cut out.

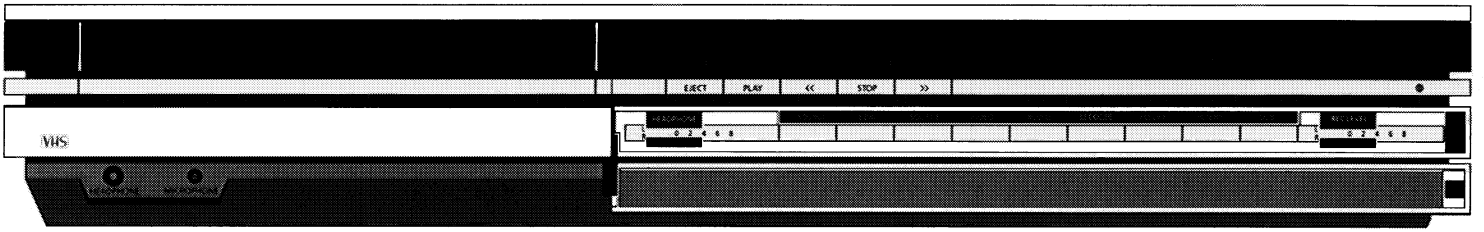
INSERT
Video dubbing in progress.

DUB
Audio dubbing in progress.

L dB R
Recording level indicators, left and right channels.

●
Stand-by indicator.

Buttons on the front



EJECT
Cassette eject.

PLAY
Playback.

«
Rewind.

STOP
Stops playback or recording.

»
Fast forward.

●
Stand-by.

HEADPHONE
Volume adjustment in headphones.

SOUND
Sound track switch.

E240
E240 VHS cassette selector (for correct time-left readout).

SOURCE
Recording input selector.

VIDEO
Video mode selector.

AUDIO
Audio mode selector.

RECORD
Recording.

HQ OFF
Cuts the HQ function out (and back in).

INSERT
Video dubbing.

DUB
Audio dubbing.

REC LEVEL L R
Recording level adjustment sliders, left and right channels.

Surfaces

Wipe dust off the surfaces of your TV and video tape recorder using a dry, soft cloth.

If necessary, remove grease stains or more persistent dirt with a firmly wrung soft cloth which you have dipped in a solution of water containing a few drops of mild detergent.

The contrast screen is liable to attract dust and should therefore be cleaned every now and then in order to ensure optimum picture quality.

After some time (usually years) particles may penetrate the space behind the contrast screen, forming a thin film of dirt on its inner surface and on the picture tube. This may affect the clarity of the picture adversely.

We recommend that you consult your Bang & Olufsen dealer if you want to have your contrast screen removed and cleaned.

Never use alcohol or other solvents to clean the TV and the video tape recorder.

Tape transport mechanism

The video is a precision electro-mechanical device which will require periodic maintenance after a period of normal use.

We expect that no maintenance other than head cleaning will be required during the warranty period by most users, unless the video is heavily or seldom used.

Normal maintenance is the responsibility of the user, although defective parts are covered during the warranty period. Consult your Bang & Olufsen dealer to determine recommendations for normal maintenance based on your location, use patterns and machine age.

Head cleaning cassettes are available in the market place for customer use, but the quality and effectiveness of these cleaning cassettes ranges from satisfactory to poor. Some cleaning cassettes increase head wear or cause damage to the video heads. Others may become stuck in the machine.

We recommend that head cleaning be performed only by qualified technicians. Head cleaning or malfunctions caused by head cleaning is not covered by the limited warranty.

Italy

Channel designation number	On-screen display MHz
A	53
B	62
C	82
D	175
E	183
F	197
G	201
H	210
H1	217
H2	224

Australia

Channel designation number	On-screen display MHz
0	46
1	57
2	64
3	86
4	95
5	102
5A	138
6	175
7	182
8	189
9	196
10	209
11	216

France

Channel designation number	On-screen display MHz
FA	47
FB	55
FC1	60
FC	63
F1	176
F2	184
F3	192
F4	200
F5	208
F6	216

VHF

Channel designation number	On-screen display MHz	Channel designation number	On-screen display MHz
E2	48	S15	259
E3	55	S16	266
E4	62	S17	273
E5	175	S18	280
E6	182	S19	287
E7	189	S20	294
E8	196	S21	303
E9	203	S22	311
E10	210	S23	319
E11	217	S24	327
E12	224	S25	335
S01	69	S26	343
S02	76	S27	351
S03	83	S28	359
S1	105	S29	367
S2	112	S30	375
S3	119	S31	383
S4	126	S32	391
S5	133	S33	399
S6	140	S34	407
S7	147	S35	415
S8	154	S36	423
S9	161	S37	431
S10	168	S38	439
S11	231	S39	447
S12	238	S40	455
S13	245	S41	463
S14	252		

UHF

Channel designation number	On-screen display MHz	Channel designation number	On-screen display MHz
21	471	49	695
22	479	50	703
23	487	51	711
24	495	52	719
25	503	53	727
26	511	54	735
27	519	55	743
28	527	56	751
29	535	57	759
30	543	58	767
31	551	59	775
32	559	60	783
33	567	61	791
34	575	62	799
35	583	63	807
36	591	64	815
37	599	65	823
38	607	66	831
39	615	67	839
40	623	68	847
41	631	69	855
42	639		
43	647		
44	655		
45	663		
46	671		
47	679		
48	687		

This list of frequencies gives you the usual channel designations and their corresponding frequencies.

NOTES

Date purchased

Contact person

Dealer

Telephone

Address

Record your serial numbers here:

Beovision MX or LX

Beocord VX 5500

Beolink 5000

Dear Customer,

Your needs as the user of our products are always given careful consideration during the design and development process, and we strive to make our products easy and comfortable to operate.

We therefore hope that you will take time to drop us a line, telling us about your experiences with your Bang & Olufsen system. Anything which you consider important – positive or negative – may help us in our constant efforts to refine our products.
Thank you!
Please write to:

Sonja Nicolaisen
Bang & Olufsen a/s
DK-7600 Struer
Denmark

Video System 5500
Beovision LX 5500
Beovision MX 5500
Beocord VX 5500
Beolink 5000

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